

**Amendments to the Claims:**

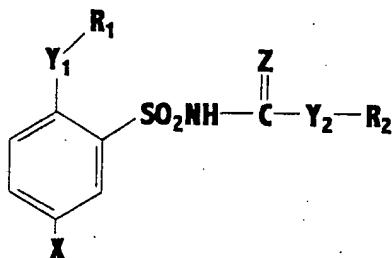
The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claim 1—22 (cancelled)

Claim 23 (currently amended): Benzene-sulphonamide derivatives compounds having the formula (I):

(I)



in which:

X represents a nitro, cyano, or halogen group;

Y<sub>1</sub> represents a secondary or tertiary amino group, or a sulphur;

Y<sub>2</sub> represents a NH group, or a nitrogen atom ~~in a saturated or unsaturated heterocyclic group having 5 to 7 ring members~~;

Z represents oxygen, sulphur, ~~N - CN or CH - NO<sub>2</sub> = N - CN or = CH - NO<sub>2</sub>~~; and

R<sub>1</sub> and R<sub>2</sub>, which can be identical or different, represent each independently a saturated or unsaturated ~~radio-labeled~~ linear or branched alkyl group with 2 to 12 carbon atoms, a saturated or unsaturated ~~radio-labeled~~ alicyclic group with 3 to 12 carbon atoms, an aryl group ~~optionally substituted or not by one or several alkyl groups in C<sub>1</sub>-C<sub>4</sub> with 1 to 4 carbon atoms~~, nitro, cyano, trifluoromethyl, carboxy and halogen groups, or an arylalkyl group

~~or R<sub>1</sub> and Y<sub>1</sub>, and/or, R<sub>2</sub> and Y<sub>2</sub> form a saturated or unsaturated heterocyclic group having 5 to 7 ring members of which at least one is oxygen or nitrogen. Y<sub>1</sub> represents a~~

tertiary amino group and forms with R<sub>1</sub> a morpholinyl or homopiperidinyl group, and Y<sub>2</sub> represents a nitrogen atom and forms with R<sub>2</sub> a homopiperidinyl group

with the exception of compounds for which X is a nitro group, Y<sub>1</sub> represents a secondary amino group (-NH-), Y<sub>2</sub> represents a NH group, Z represents an oxygen, R<sub>2</sub> represents an isopropyl and R<sub>1</sub> ~~represents an element is~~ selected from a group consisting of m-tolyl, phenyl and eycloetyl cyclooctyl, and with the exception of N-[(2-eycloethylaminocyclooctylamino-5-cyanobenzene)sulfonyl] N'-isopropyl urea.

Claim 24 (currently amended): The derivative compound according to claim 23, characterized in that X is ~~an element~~ selected from a group consisting of nitro, cyano, bromo and iodine group.

Claim 25 (currently amended): The derivative compound according to claim 23, characterized in that Y<sub>1</sub> represents a NH group and Y<sub>2</sub> represents a NH group ~~or an oxygen atom~~.

Claim 26 (currently amended): The derivative compound according to claim 23, characterized in that R<sub>1</sub> and R<sub>2</sub> represent each independently an ethyl, butyl, tert-butyl, propyl, isopropyl, pentyl, hexyl, heptyl, octyl, decyl, amyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclooctyl, cyclododecyl, 2-cyclohexenyl, m-tolyl, o-tolyl, p-tolyl, phenyl, allyl, ~~adamantly adamanyl~~, norbornyl, 3-carboxyphenyl, 2,3-dimethylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,6-trimethylphenyl, furfuryl, benzyl or 1-phenylethyl group.

Claims 27 – 28 (cancelled)

Claim 29 (currently amended): The derivative compound according to claim 23, characterized in that it is ~~constituted by~~ a salt selected from a group consisting of sodium salts, the potassium salts or organic acid salts.

Claim 30 (currently amended): The derivative compound according to claim 29, characterized in that it is chosen in a group having:

N-[(2-cyclohexylamino-5-nitrobenzene)sulfonyl]N'-tert-butyl urea,

N-cyano-N'-[(2-cyclohexylamine metatoluylamino-5-nitrobenzene)sulfonyl]homopiperidinoamidine,

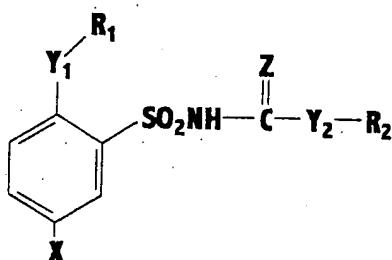
N-[(2-cyclohexylamine cycloheptylamino-5-nitrobenzene)sulfonyl]N'-cyclohexyl thiourea, and

N-[(2-cyclohexen-2-yl-5-iodobenzene)sulfonyl]N'-pentyl urea.

Claims 31 – 33 (cancelled)

Claim 34 (currently amended): Benzene-sulphonamide derivatives compounds having the formula (I):

(I)



in which:

$X$  represents a nitro, cyano, or radio-labeled halogen group;

$Y_1$  represents a secondary or tertiary amino group, or a sulphur;

$Y_2$  represents a NH group, or a nitrogen atom ~~in a saturated or unsaturated heterocyclic group having 5 to 7 ring members~~;

$Z$  represents oxygen, sulphur,  $\text{N}-\text{CN}$  or  $\text{CH}-\text{NO}_2 = \text{N}-\text{CN}$  or  $= \text{CH}-\text{NO}_2$ ; and

$R_1$  and  $R_2$ , which can be identical or different, represent each independently a saturated or unsaturated radio-labeled linear or branched alkyl group with 2 to 12 carbon atoms, a saturated or unsaturated radio-labeled alicyclic group with 3 to 12 carbon atoms, an aryl group optionally substituted or not by one or several alkyl groups in C<sub>4</sub>–C<sub>4</sub> with 1 to 4 carbon atoms, nitro, cyano, trifluoromethyl, carboxy and halogen groups, or an arylalkyl group

or R<sub>1</sub> and Y<sub>1</sub>, and/or, R<sub>2</sub> and Y<sub>2</sub> form a saturated or unsaturated heterocyclic group having 5 to 7 ring members of which at least one is oxygen or nitrogen. Y<sub>1</sub> represents a tertiary amino group and forms with R<sub>1</sub> a morpholinyl or homopiperidinyl group, and Y<sub>2</sub> represents a nitrogen atom and forms with R<sub>2</sub> a homopiperidinyl group

with the exception of compounds for which X is a nitro group, Y<sub>1</sub> represents a secondary amino group (-NH-), Y<sub>2</sub> represents a NH group, Z represents an oxygen, R<sub>2</sub> represents an isopropyl and R<sub>1</sub> represents an element selected from a group consisting of m-tolyl, phenyl and cyclooctylcyclooctyl, and with the exception of N-[(2-cyclooctylamino)cyclooctylamino-5-cyanobenzene)sulfonyl] N'-isopropyl urea.

Claim 35 (currently amended): The derivative compound according to claim 34, characterized in that X is an element selected from a group consisting of nitro, cyano, bromo and iodine group.

Claim 36 (currently amended): The derivative compound according to claim 34, characterized in that Y<sub>1</sub> represents a NH group and Y<sub>2</sub> represents a NH group or an oxygen atom.

Claim 37 (currently amended): The derivative compound according to claim 34, characterized in that R<sub>1</sub> and R<sub>2</sub> represent each independently an ethyl, butyl, tert-butyl, propyl, isopropyl, pentyl, hexyl, heptyl, octyl, decyl, amyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclooctyl, cyclododecyl, 2-cyclohexenyl, m-tolyl, o-tolyl, p-tolyl, phenyl, allyl, adamantly adamantyl, norbornyl, 3-carboxyphenyl, 2,3-dimethylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,6-trimethylphenyl, furfuryl, benzyl or 1-phenylethyl group.

Claims 38 – 39 (cancelled)

Claim 40 (currently amended): The derivative compound according to claim 34, characterized in that it is constituted by a salt selected from a group consisting of sodium salts, the potassium salts or organic acid salts.

Claim 41 (currently amended): The derivative compound according to claim 40, characterized in that it is chosen in a group having:

N-[(2-cyclohexylamino-5-nitrobenzene)sulfonyl]N'-tert-butyl urea,

N-cyano-N'-[(2-cyclohexylamino metatoluylamino-5-nitrobenzene)sulfonyl]homopiperidinoamidine,

N-[(2-cyclohexylamino cycloheptylamino-5-nitrobenzene)sulfonyl]N'-cyclohexyl thiourea, and

N-[(2-cyclohexen-2-yl-5-iodobenzene)sulfonyl]N'-pentyl urea.

Claims 42 – 44 (cancelled)